
Subject: Re: high resolution coastlines
Posted by [Julie Greenwood](#) on Tue, 22 Feb 2000 08:00:00 GMT
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Thanks for the pointer, Mark, and Liam too, vicariously.

For fun, here are some related links:

WVS Coastline Extractor: <http://crusty.er.usgs.gov/coast/getcoast.html>

Bathymetry Extractor: <http://128.160.23.42/dbdbv/dbdbv.html>

Julie

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<http://www.thehungersite.com/>  
The Hunger Site - Donate Food for Free to  
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Mark Hadfield <[m.hadfield@niwa.cri.nz](mailto:m.hadfield@niwa.cri.nz)> wrote in message  
news:950820600.235630@clam-55...  
> Julie Greenwood <[julieg@NOSPAMoceanweather.com](mailto:julieg@NOSPAMoceanweather.com)> wrote in message  
> news:saoivr6q2pd44@corp.supernews.com...  
>> Hello Everybody  
>>  
>> I wonder if anyone has adapted the World Vector Shoreline or something  
>> similar for use with IDL. I find the 'hires' coastlines included with  
IDL  
>> to be deficient for my needs.  
>  
> Me too.  
>  
> Don't bother with the World Vector Shoreline, get the Global  
> Self-consistent, Hierarchical, High-resolution Shoreline Database:  
>  
> <http://www.ngdc.noaa.gov/mgg/shorelines/gshhs.html>  
>  
> It's a group of shoreline datasets at several different resolutions, based  
> on WVS and other datasets, but cleaned up (intersecting segments removed  
> etc):  
>  
> I mentioned this on the group in December and got a reply from Liam Gumley

> who has done some work on reading & displaying this dataset. Part of his  
> message is included below my signature.  
>  
> ---  
> Mark Hadfield  
> m.hadfield@niwa.cri.nz <http://katipo.niwa.cri.nz/~hadfield/>  
> National Institute for Water and Atmospheric Research  
> PO Box 14-901, Wellington, New Zealand  
>  
>  
> \*\*\* Excerpt of message from Liam Gumley \*\*\*  
>  
> I've played around with converting this dataset to IDL coastline format,  
> because as you've noted, the IDL coastline data is not too flash. I've  
> put the relevant files online, feel free to grab any or all of them:  
> (<ftp://origin.ssec.wisc.edu/pub/gumley/IDL/gshhs/>)  
>  
> gshhs\_frames.xdr -> a saved frame file that you can display with  
> FRESTORE:  
> (<http://cimss.ssec.wisc.edu/~gumley/frame.html>)  
> It shows the difference in quality between the IDL coastline and the  
> GSHHS coastline data off the tip of Florida.  
>  
> gshhs\_to\_idl.pro -> a procedure for converting GSHHS format to IDL map  
> format.  
>  
> map\_con.pro -> a modified version of map\_continents.pro which uses the  
> coastline data derived from GSHHS. It works in quite a few cases, but in  
> some cases it failed to draw the coastlines properly (I think Africa had  
> some problems).  
>  
> phigh.dat, phigh.ndx -> GSHHS data converted to IDL format (used by  
> map\_con).  
>  
>  
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>  
>

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